

**IN-LINE ANCHORAGE ASSEMBLY ELEVATION** 

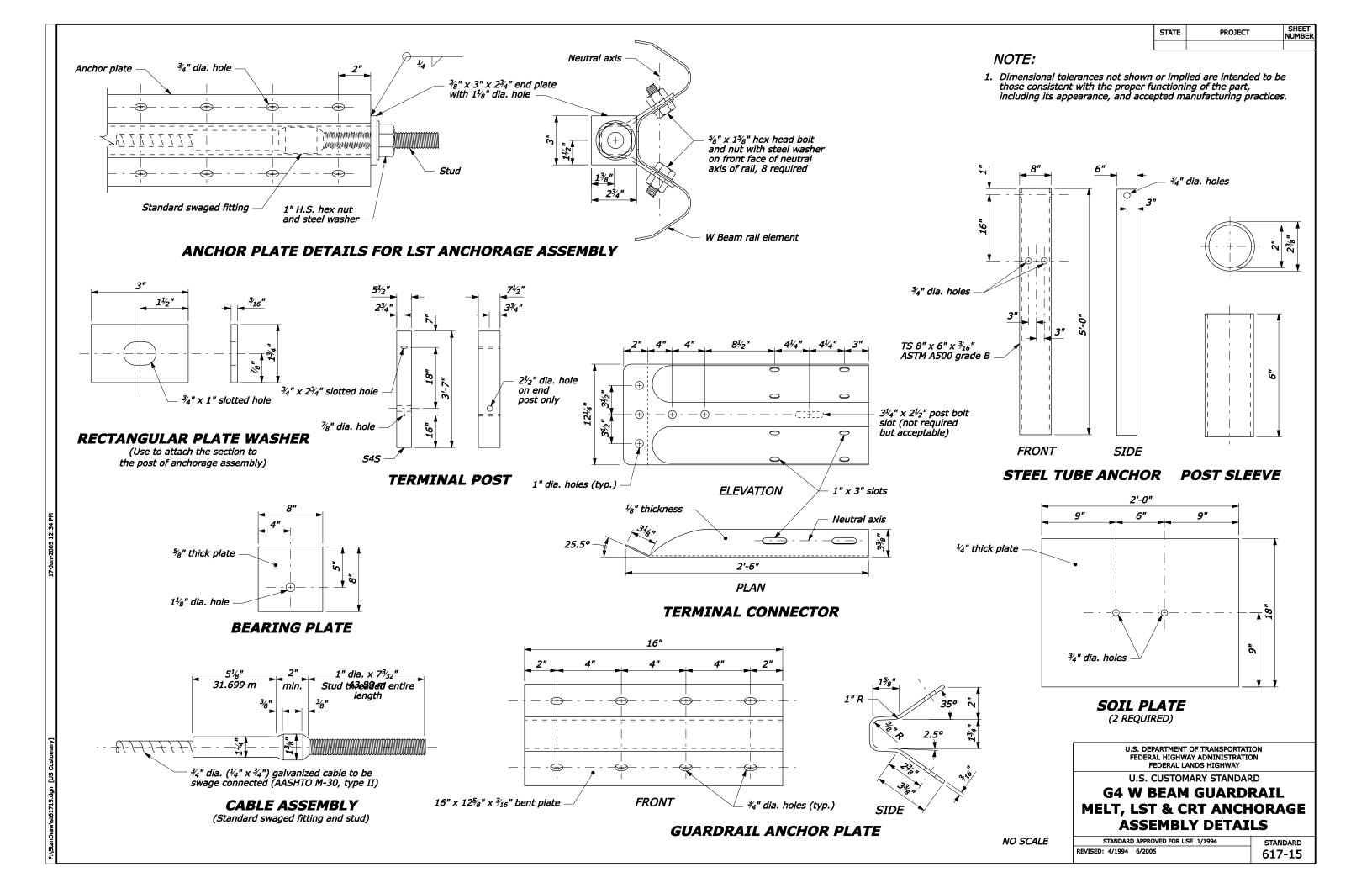
FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY

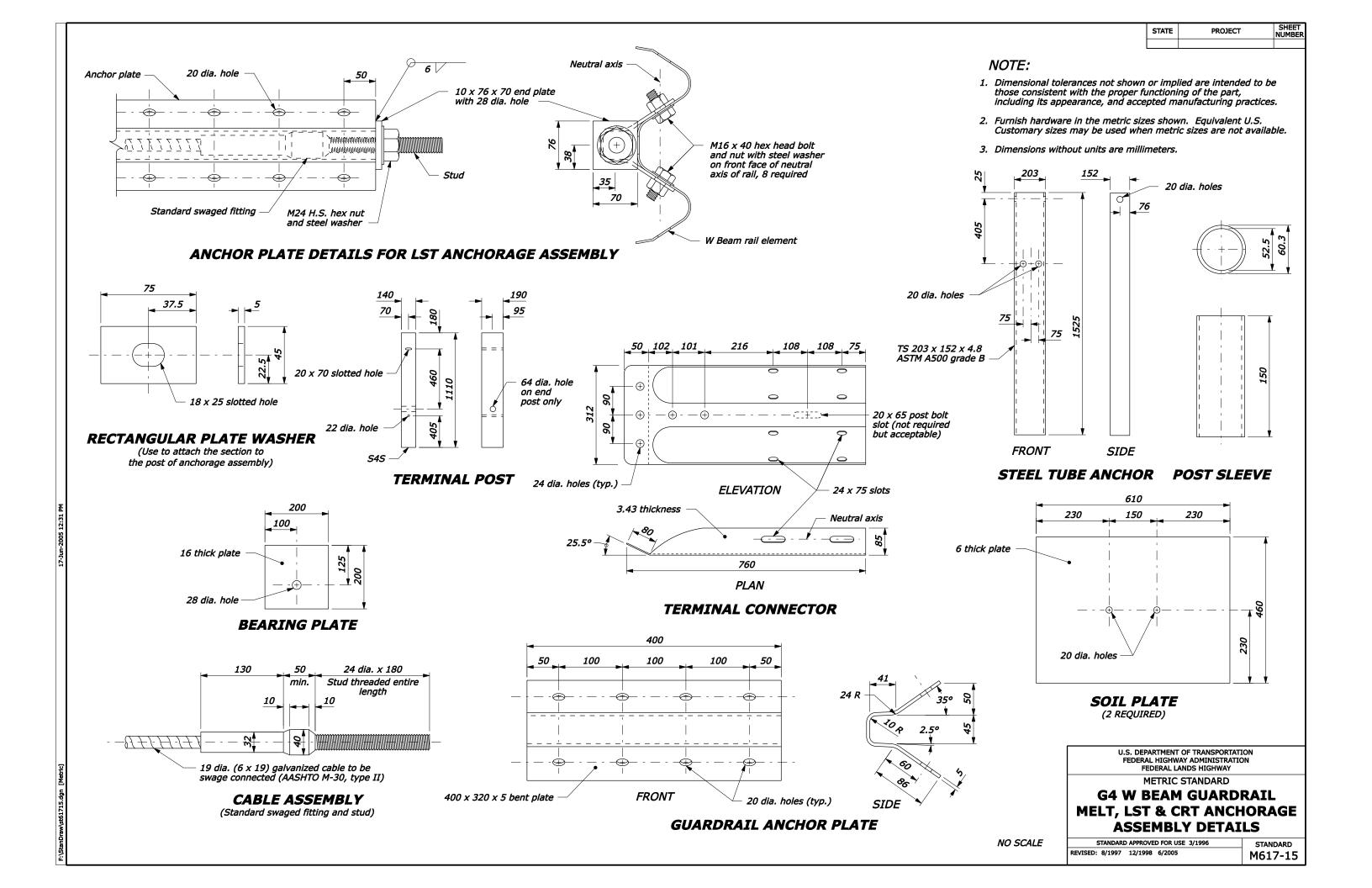
**METRIC STANDARD** 

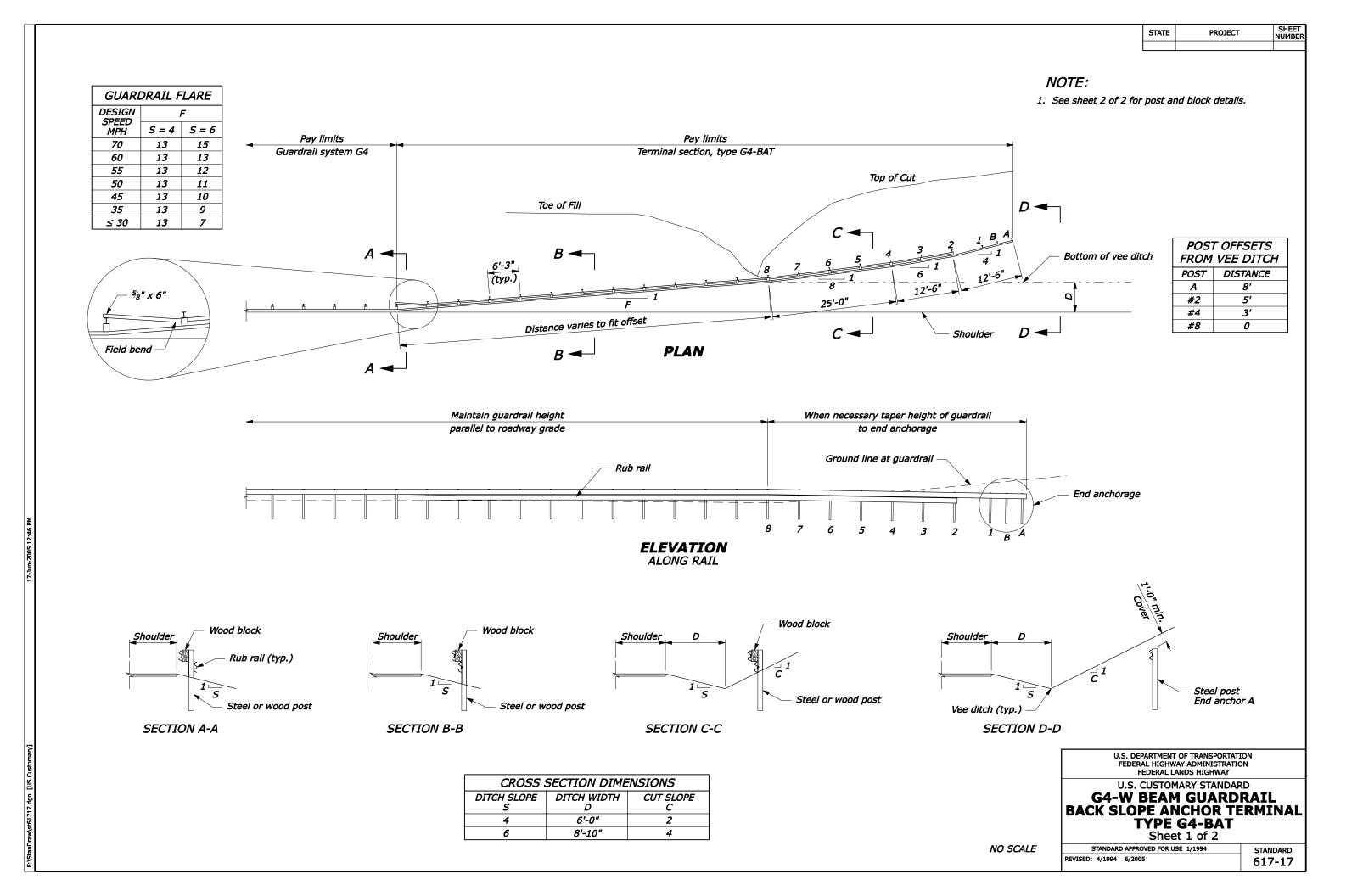
**G4 W-BEAM GUARDRAIL LOW SPEED TERMINAL TYPE LST, WOOD POSTS** 

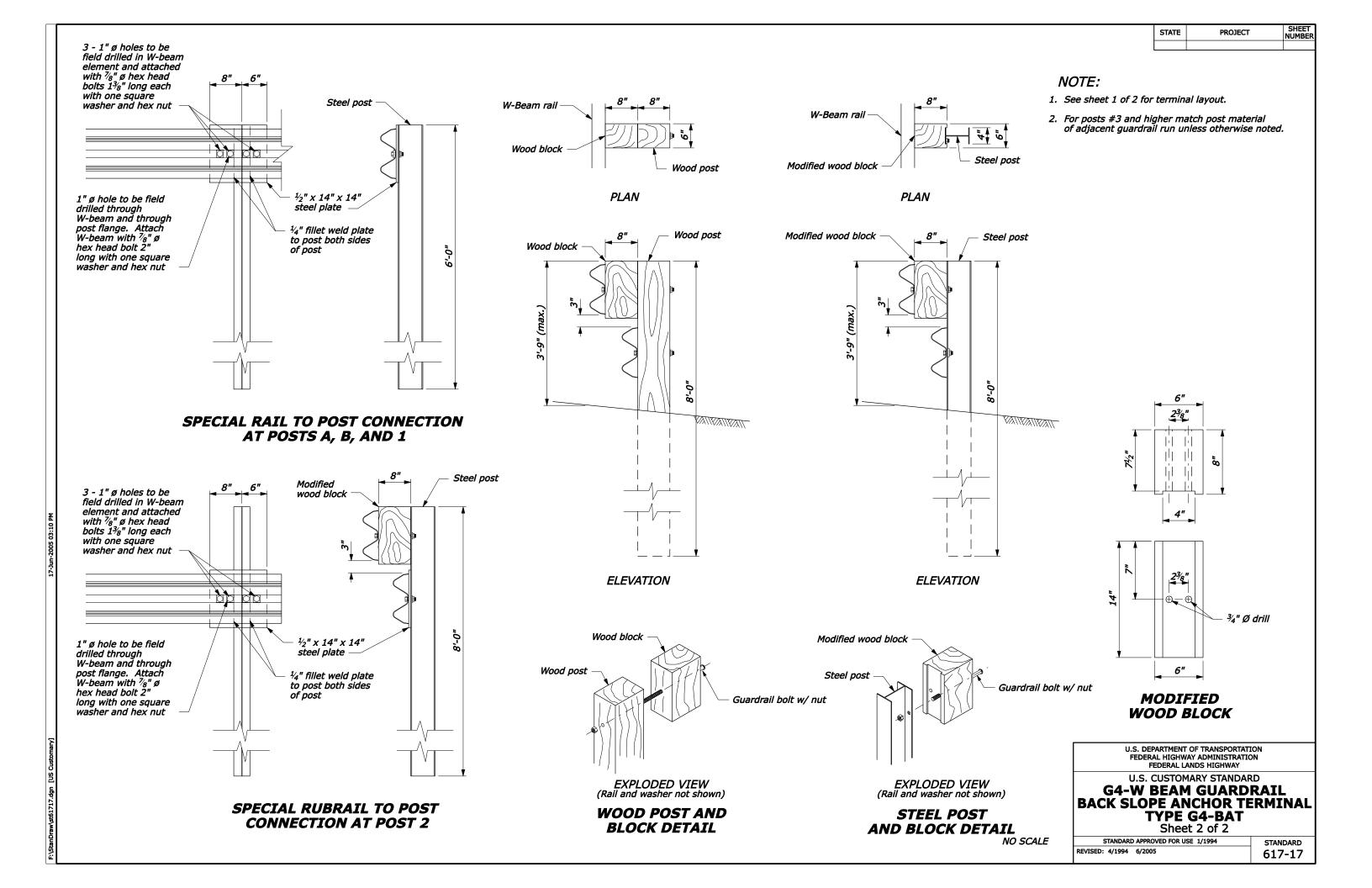
NO SCALE

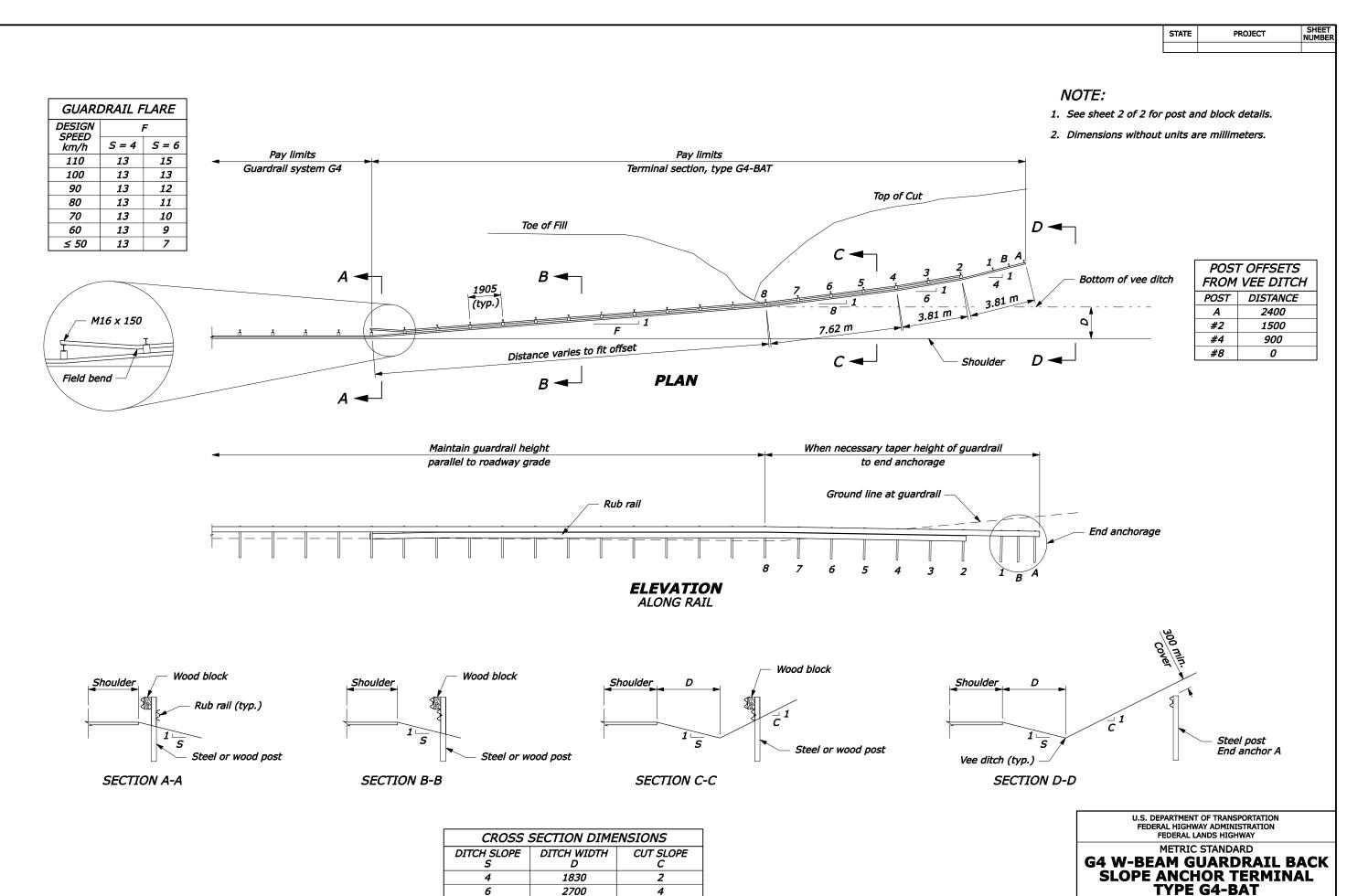
STANDARD APPROVED FOR USE 6/2005 STANDARD M617-14









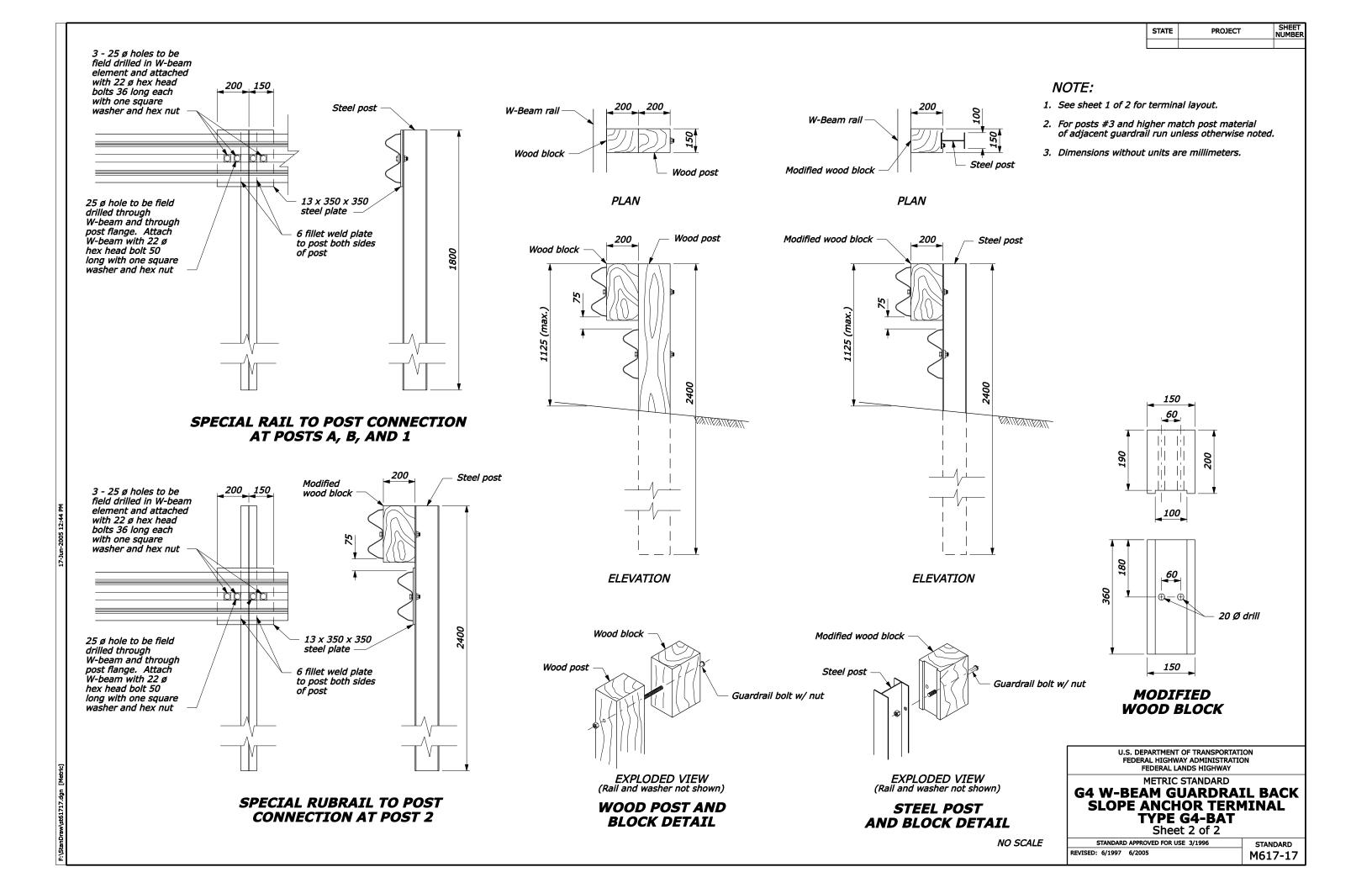


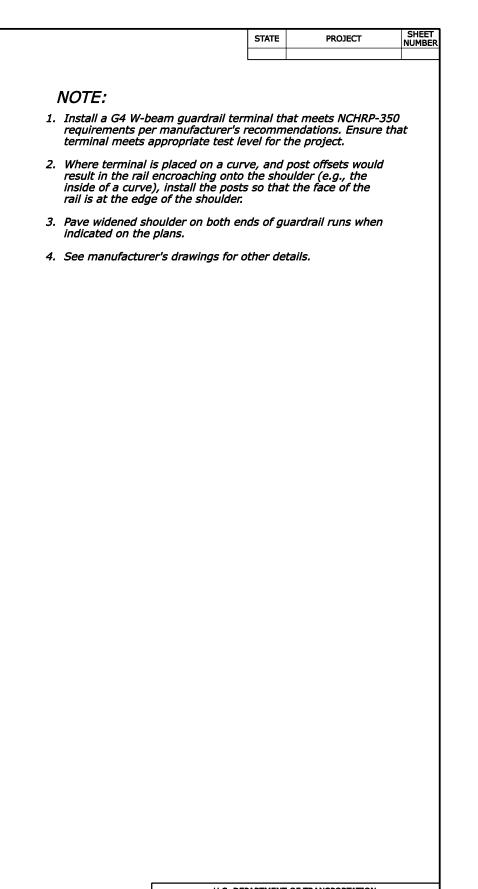
NO SCALE

# **TYPE G4-BAT**

Sheet 1 of 2

STANDARD APPROVED FOR USE 3/1996 STANDARD REVISED: 6/1997 6/2005 M617-17



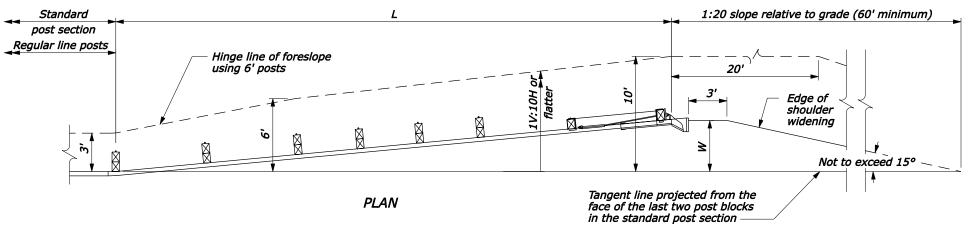


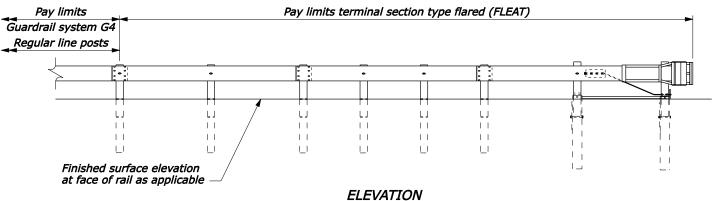
## U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY U.S. CUSTOMARY STANDARD

## **G4 W BEAM GUARDRAIL TYPE FLARED TERMINAL**

NO SCALE

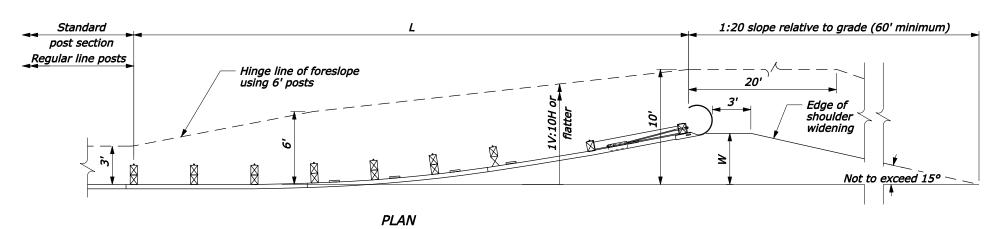
STANDARD APPROVED FOR USE 6/2005	STANDARD
REVISED:	617-19

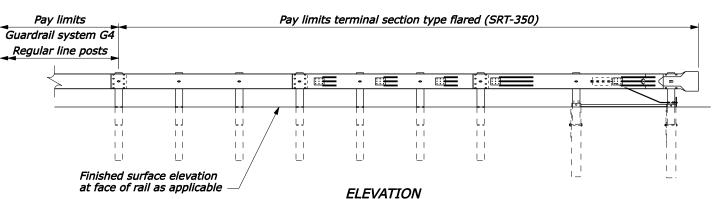




TEST LEVEL	(ft)	(ft)
2 (≤ 45 mph)	25.0	1.67-2.67
3 (> 45 mph)	<i>37.5</i>	2.5-4.0

## STRAIGHT FLARED OPTION





<b> -  </b>		
1.1		
<u> </u>		

TEST LEVEL

3 (> 45 mph)

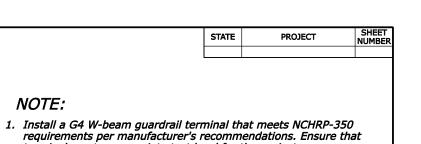
(ft)

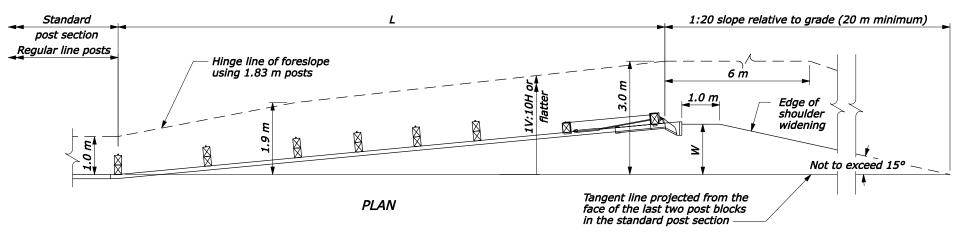
37.5

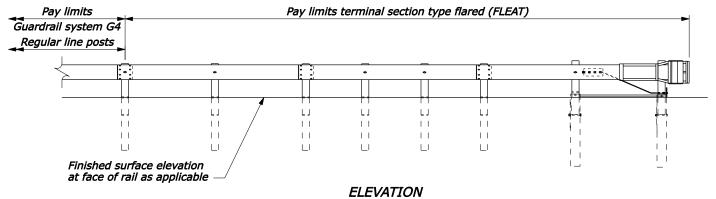
(ft)

3.0 or 4.0

## PARABOLIC FLARED OPTION

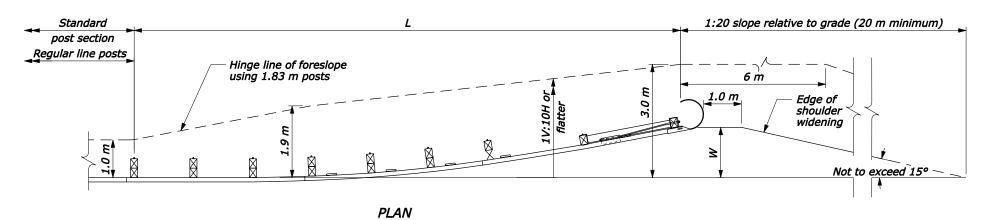


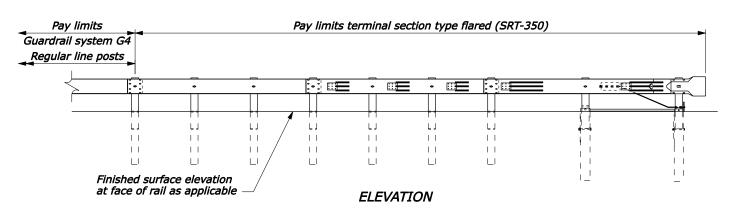




TEST LEVEL	L (m)	W (m)
2 (≤ 70 km/h)	7.62	0.51-0.81
3 (> 70 km/h)	11.43	0.76-1.22

## STRAIGHT FLARED OPTION





TEST LEVEL	L (m)	W (m)
3 (> 70 km/h)	11.43	0.9 or 1.22

#### PARABOLIC FLARED OPTION

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METRIC STANDARD

**G4 W BEAM GUARDRAIL TYPE FLARED TERMINAL** 

NO SCALE

**NOTE:** 

terminal meets appropriate test level for the project.

rail is at the edge of the shoulder.

4. See manufacturer's drawings for other details.

Where terminal is placed on a curve, and post offsets would result in the rail encroaching onto the shoulder (e.g., the inside of a curve), install the posts so that the face of the

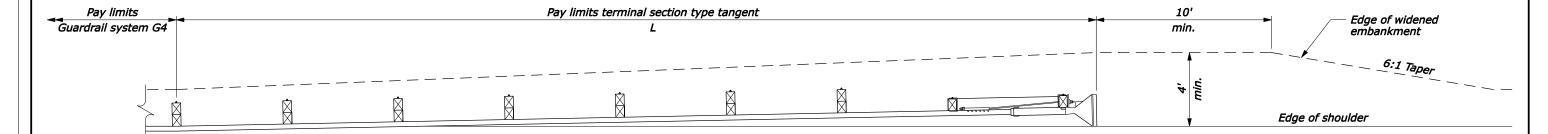
3. Pave widened shoulder on both ends of guardrail runs when indicated on the plans.

STANDARD APPROVED FOR USE 6/2005	STANDARD
VISED:	M617-19

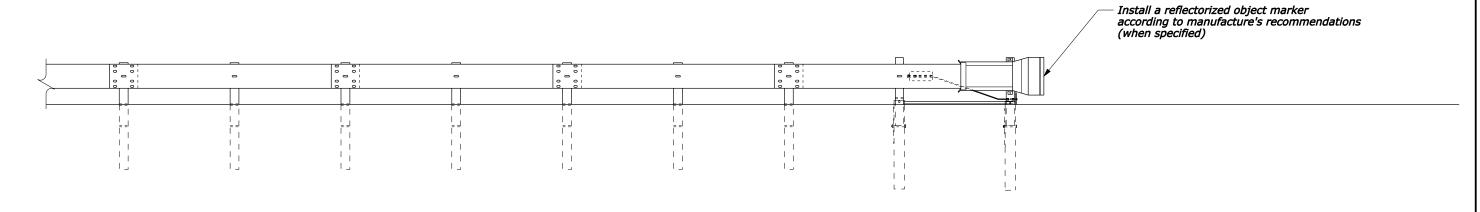
STATE PROJECT SHEET NUMBER

#### NOTE:

- Install a G4 W-beam guardrail terminal that meets NCHRP-350 requirements per manufacturer's recommendations. Ensure that terminal meets appropriate test level for the project.
- 2. Install terminal at a 1:50 taper, ensuring that end piece is entirely off shoulder.
- 3. See manufacturer's drawings for other details.



## PLAN



## **ELEVATION**

TEST LEVEL	L (ft)
2 (≤ 45 mph)	25
3 (> 45 mph)	37.5 or 50

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY

U.S. CUSTOMARY STANDARD

G4 W BEAM GUARDRAIL
TYPE TANGENT TERMINAL

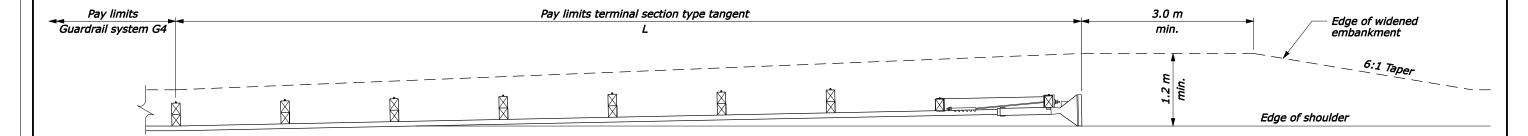
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STANDARD APPROVED FOR USE 6/2005 STANDARD REVISED: 617-20

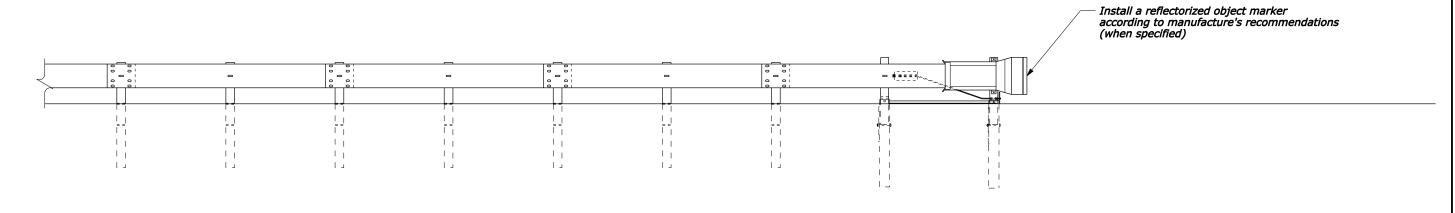
STATE PROJECT SHEET NUMBER

#### NOTE:

- Install a G4 W-beam guardrail terminal that meets NCHRP-350 requirements per manufacturer's recommendations. Ensure that terminal meets appropriate test level for the project.
- 2. Install terminal at a 1:50 taper, ensuring that end piece is entirely off shoulder.
- 3. See manufacturer's drawings for other details.



#### **PLAN**



#### **ELEVATION**

TEST LEVEL	(m)
2 (≤ 70 km/h)	7.62
3 (> 70 km/h)	11.43 or 15.24

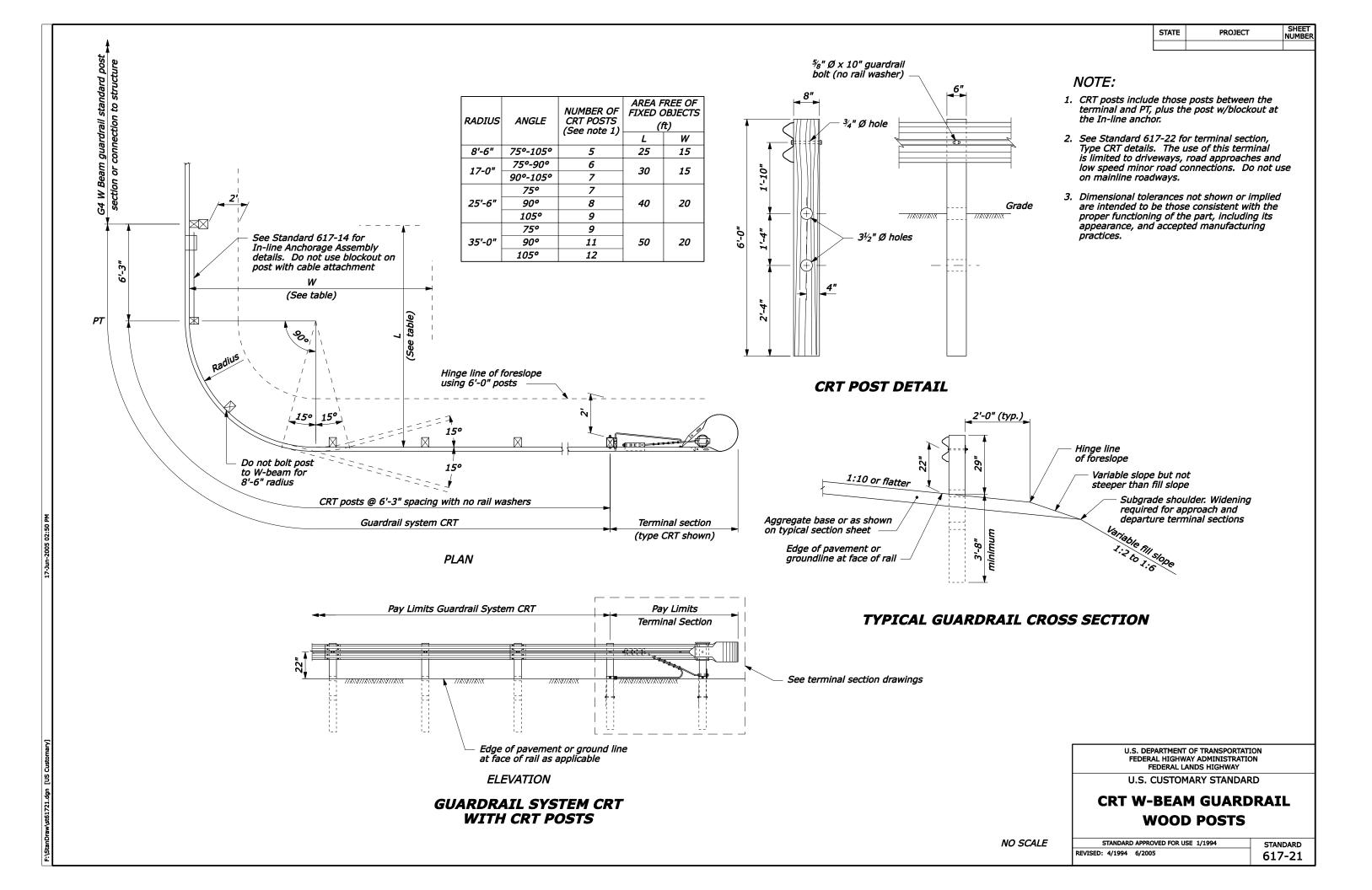
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY

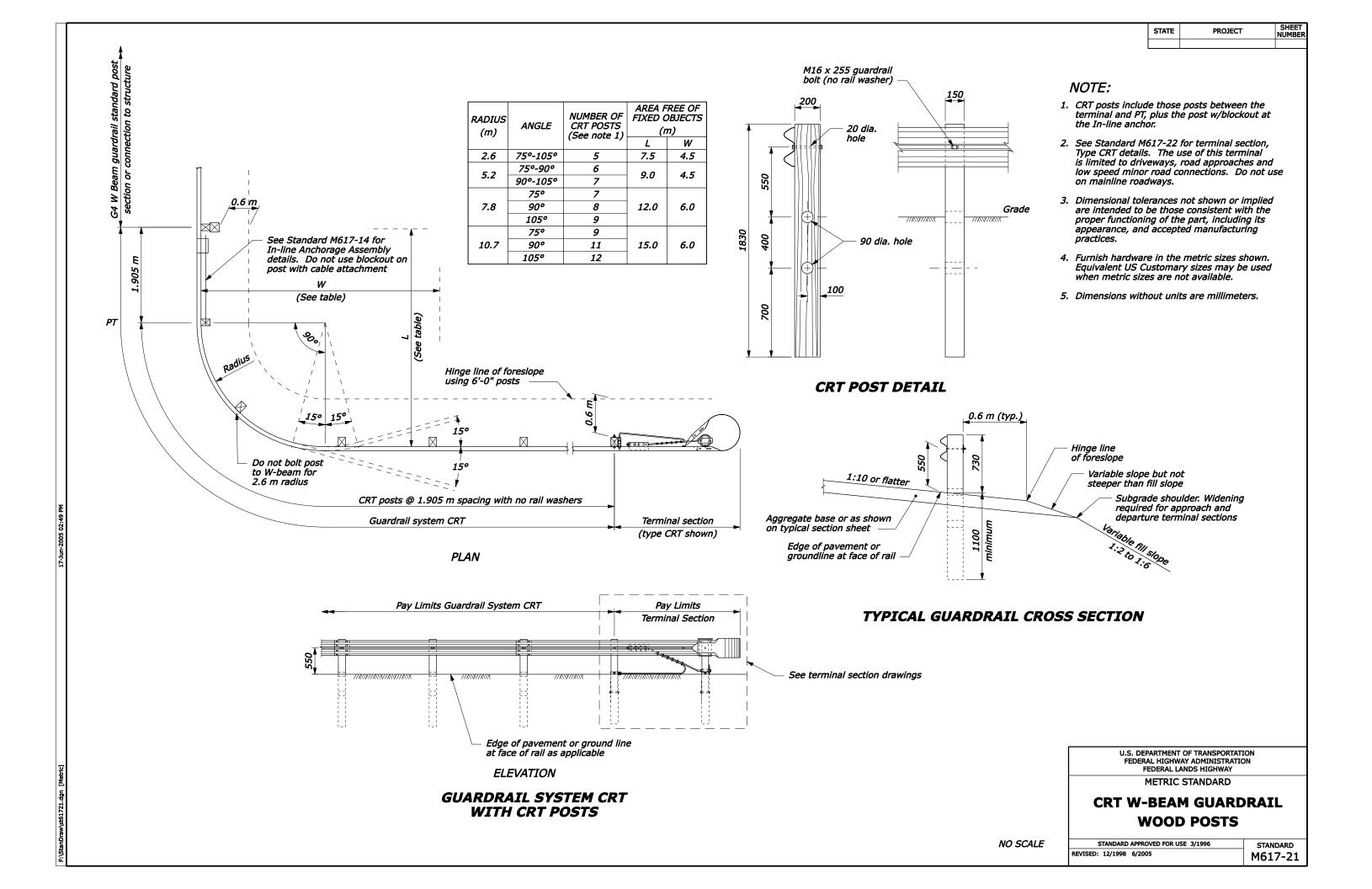
METRIC STANDARD

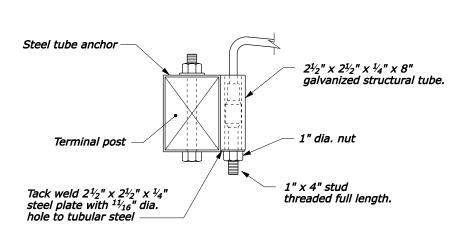
G4 W BEAM GUARDRAIL TYPE TANGENT TERMINAL

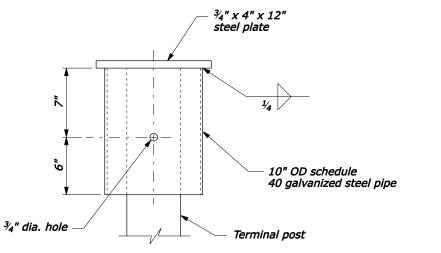
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STANDARD APPROVED FOR USE 6/2005 STANDARD M617-20







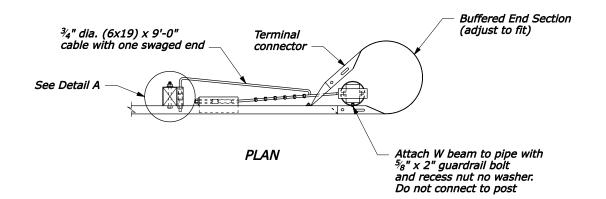


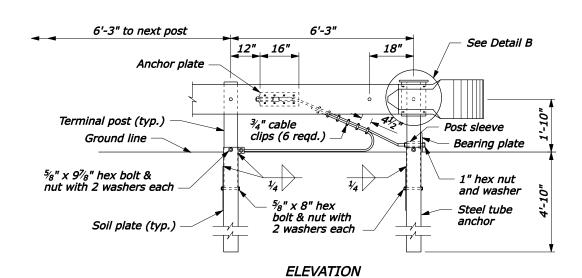
**DETAIL B** 

#### NOTE:

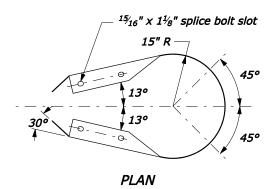
- 1. See Standard 617-15 for other details.
- Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance, and accepted manufacturing practices.

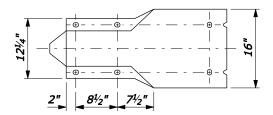
**DETAIL** A





ANCHORAGE ASSEMBLY





**ELEVATION** 

**BUFFERED END SECTION** 

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY

U.S. CUSTOMARY STANDARD

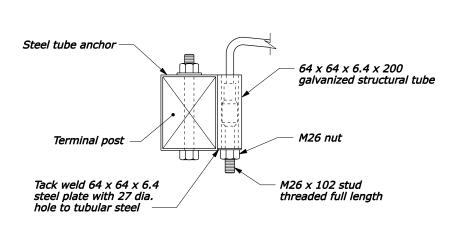
CRT W-BEAM GUARDRAIL CABLE RELEASING TERMINAL CRT ANCHORAGE ASSEMBLY

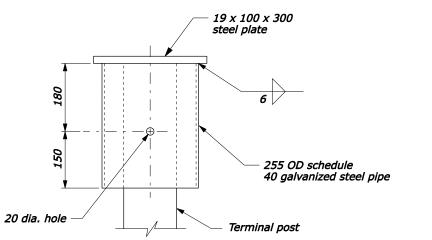
NO SCALE

STANDARD APPROVED FOR USE 1/1994
REVISED: 4/1994 6/2005

STANDARD 617-22

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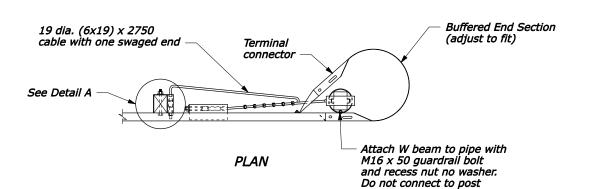


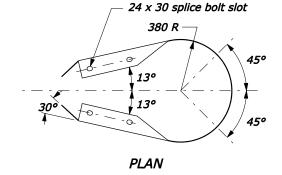
**DETAIL B** 

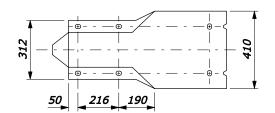
#### NOTE:

- 1. See Standard M617-15 for other details.
- Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance, and accepted manufacturing practices.
- 3. Furnish hardware in the metric sizes shown. Equivalent US Customary sizes may be used when metric sizes are not available.
- 4. Dimensions without units are millimeters.

DETAIL A

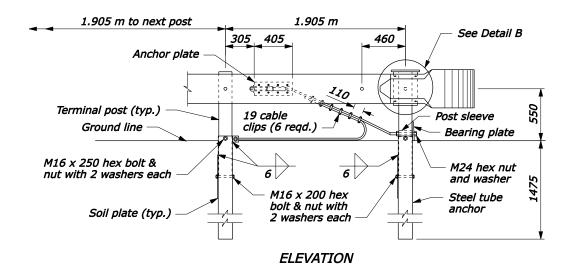






**ELEVATION** 

**BUFFERED END SECTION** 



ANCHORAGE ASSEMBLY

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY

METRIC STANDARD

CRT W-BEAM GUARDRAIL CABLE RELEASING TERMINAL CRT ANCHORAGE ASSEMBLY

NO SCALE

STANDARD APPROVED FOR USE 3/1996 STANDARD
REVISED: 6/2005 M617-22